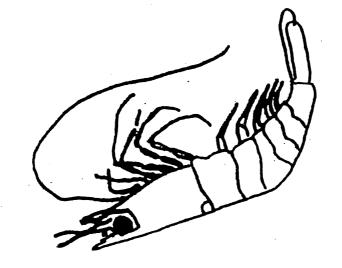
Mobile Bay

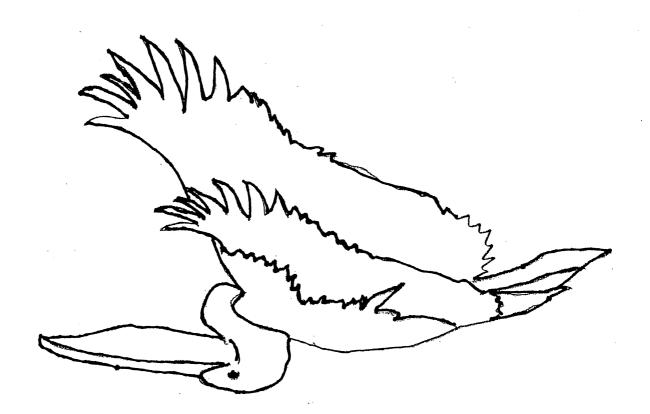
Activity Book



Coastal Alabama and Mobile Bay: Did you know???

- Mobile Bay has both salt water from the Gulf of Mexico and fresh water from rivers. This body of water where fresh and salty water mix is called an estuary. Many fish, shrimp, and crabs live here.
- The delta is a beautiful place where rivers enter Mobile Bay and flow through marshes, swamps, and bottomland hardwood forests.
- Alabama has a relatively small coastline consisting of approximately 50 miles of beach but has the fourth largest river system by volume in the United States, an average of 460,000 gallons per second, or 42 billion gallons per day.
- The first people to live around Mobile Bay were Native Americans. The Spanish visited in the early 1500's and named it Bay of the Holy Spirit.
- The famous Battle of Mobile Bay, one of the last major battles of the Civil War, was fought in August of 1864.
- The Mobile Bay estuarine system is located in the center of the northern edge of the Gulf of Mexico and is protected by the long peninsula of Fort Morgan on the east and to the west by Dauphin Island.
- Mobile Bay is approximately 31 miles long with the widest point being about 24 miles across. The average depth is only 10 feet deep. A manmade ship channel, 45 feet deep, has been in operation since the 1800's, creating an international seaport for ocean going vessels.
- The white sandy beach of coastal Alabama has the consistency of fine sugar and is made of quartz derived from the erosion of the southern end of the Appalachian Mountains.

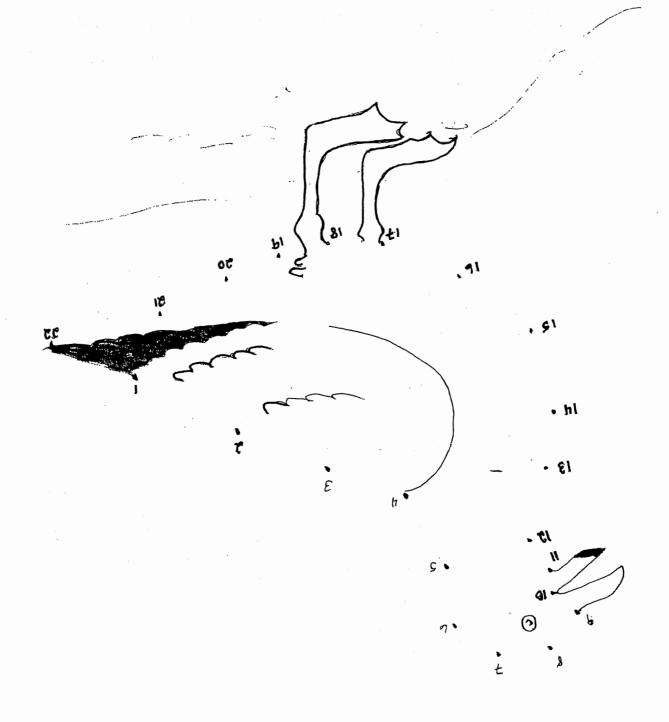
high as 12-14 feet. as they dive into the water from as in their chest area that cushion them

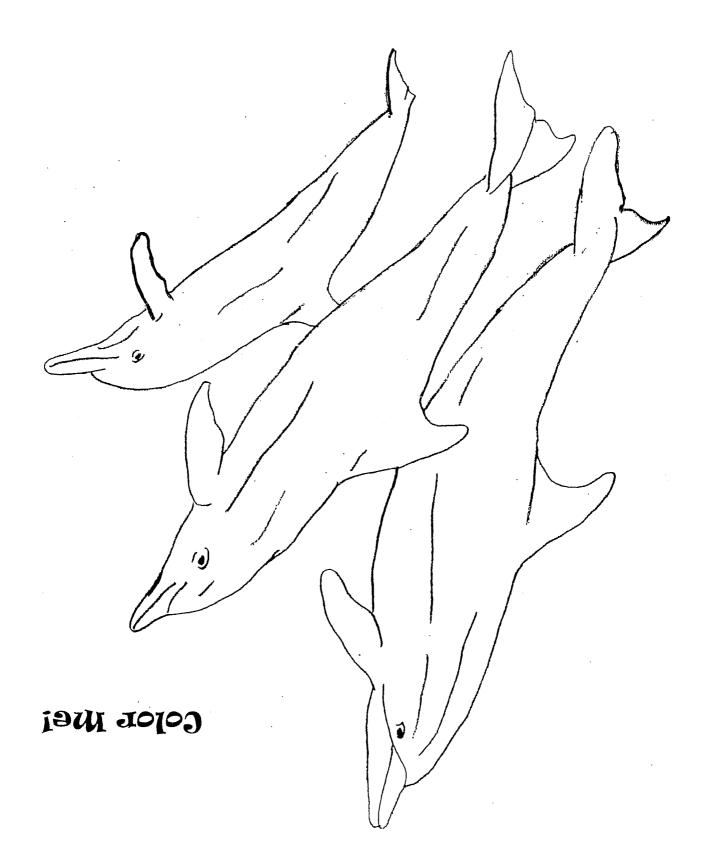


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Brown pelicans have special air sacks

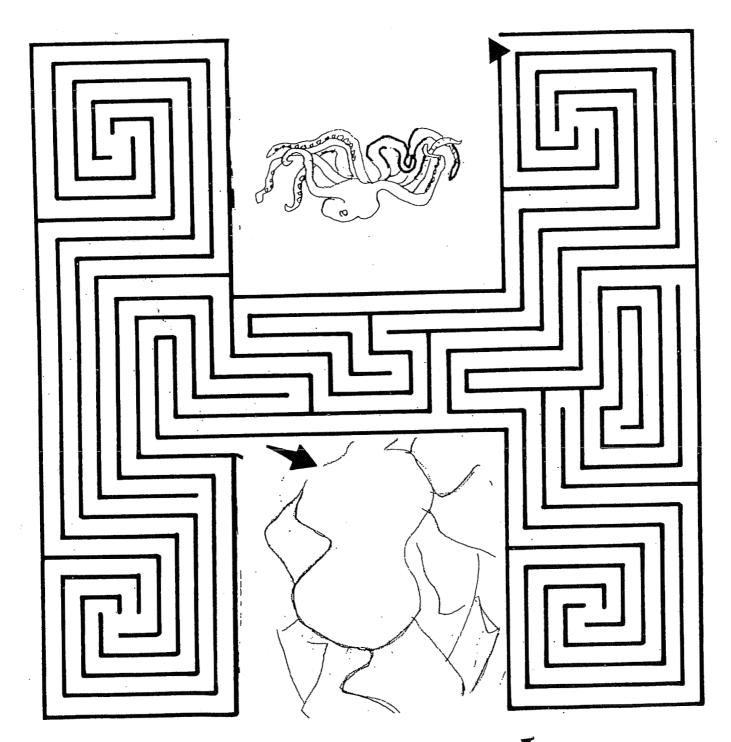
Connect the dots to find a common shore bird.





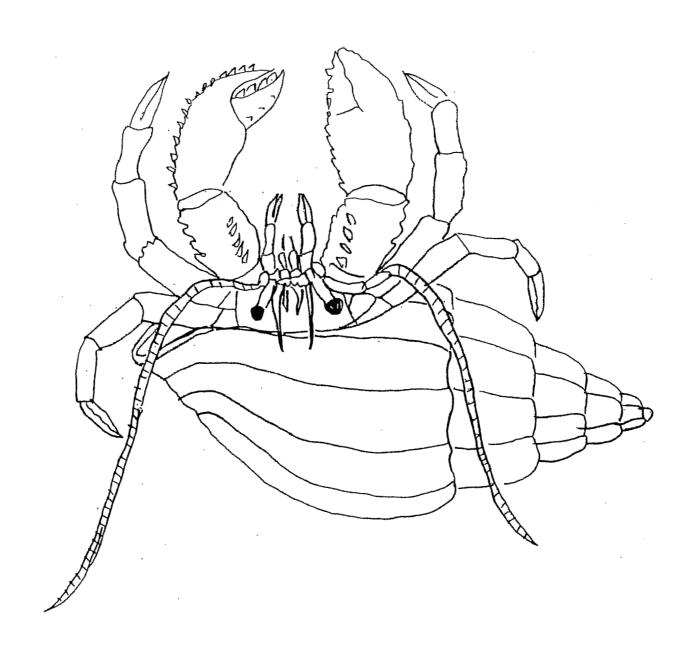
Bottlenose dolphins are found throughout the Mobile Bay area. This type of dolphin is the most frequently seen in captivity.

Can you help this eave? Octopus find its eave?



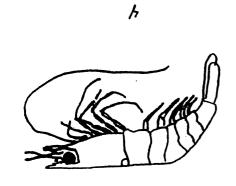
The common Atlantic octopus is found throughout the Gulf of Mexico. They are a highlight for visitors to the Dauphin Island Estuarium.

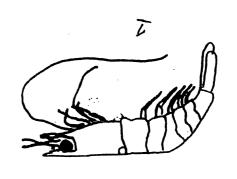
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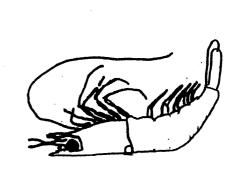
Hermit crabs have no shells of their own, so they use the empty shells of snails as their homes. They move into larger shells as they grow.

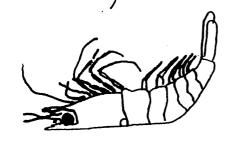
somes the same?

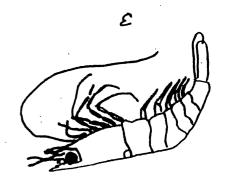


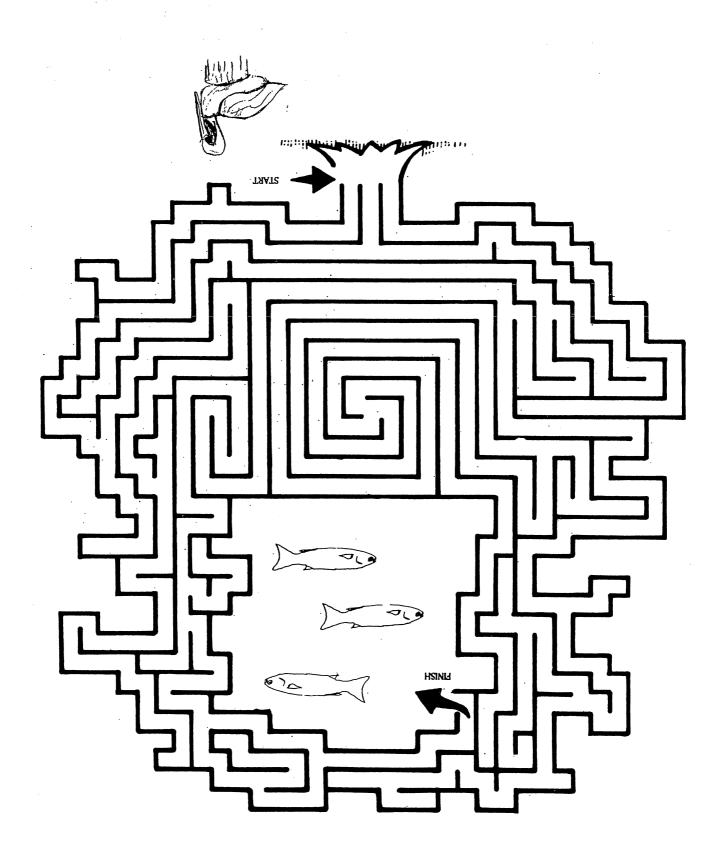






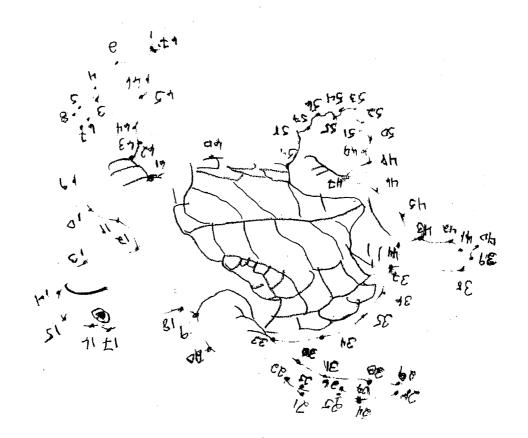






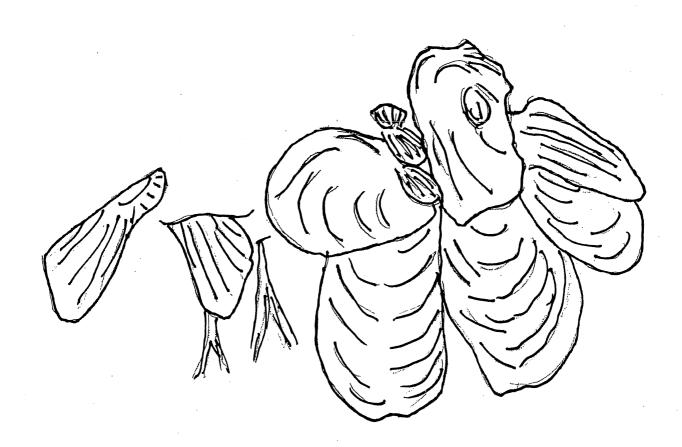
Can you help the pelican find its dinner of fish?

Connect the dots



There are seven different types of sea turtles, all are either endangered or threatened. You might find Loggerheads or Kemp's Ridleys in Mobile Bay.

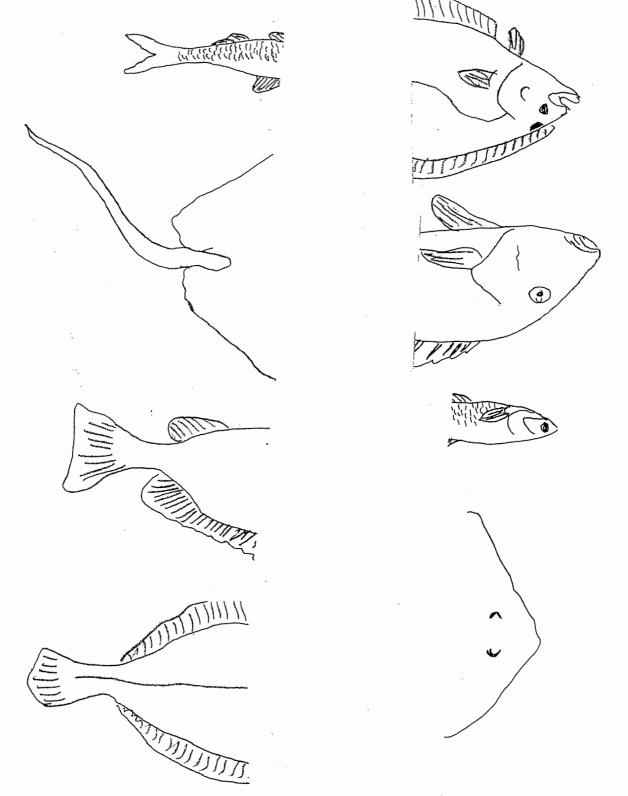
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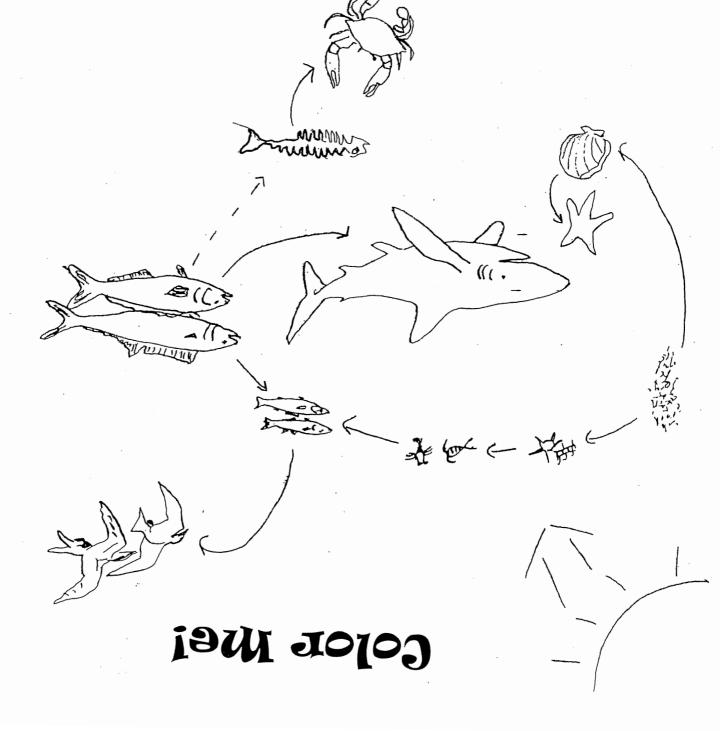


Common eastern oysters can be found attached to each other to form reefs and also on pilings. The ribbed mussel is found in salt marshes at the base of plants just under the mud.

Mait she Fish

Draw a line from half a fish on the left to the other half on the right to see what Stingrays, Anchovies, Red Snappers, and Flounders look like.





Sunlight provides energy for all these living things. Producers (such as tiny plants called phytoplankton) absorb the sun's energy and use nutrients from the environment. Consumers (such as sharks, fish, birds) eat plants or other animals. Recyclers (such as crabs) eat dead things and turn them into nutrients.

mobile Bay "Mad Lib"

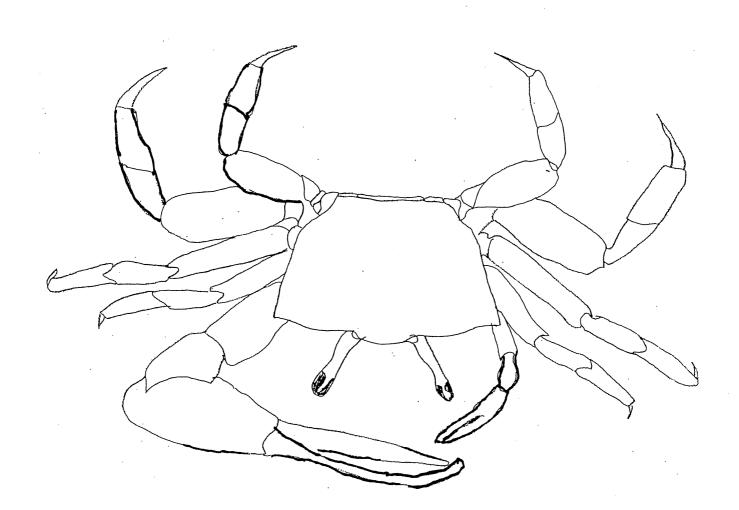
Directions: Fill in the mad lib list, then copy your mad libs into the blanks in the story below. Once you have filled in all the blanks, read your completed story for a fun look at how animals and habitats depend on each other for survival.

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Mad Lib List:

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Fiddler crabs burrow into the mud of salt marshes. Males have one claw larger than the other. The crab eats with the smaller claw, while the larger claw is used to threaten or fight with other males.

Picture?

Bottle Umbrella Boot Tire Fishing Rod Shovel Comb



Word Search

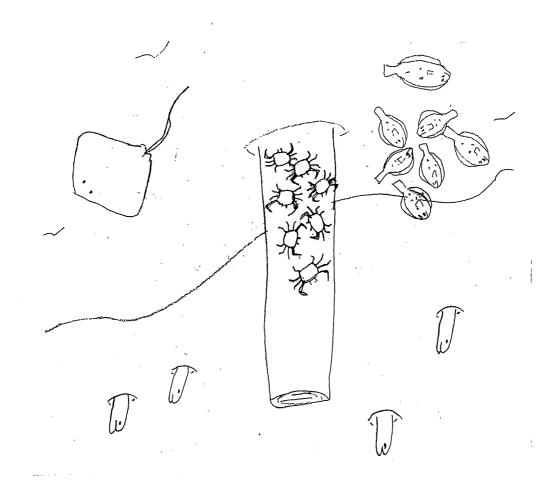
Words are found down, across, and diagonally.

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| Sea turtle |
| Sea star |
| Hermit crab |
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iss a Subilee!



A Jubilee is a regular occurrence along the eastern shore of Mobile Bay. Jubilees occur only in the summer months, usually in the sarly morning just before sunrise. Under specific conditions, upwelling of oxygen poor bottom water forces bottom fish and crustaceans ashore. Hundreds of flounder and tubs of crabs can be caught in just a few and tubs of crabs can be caught in just a few hours.

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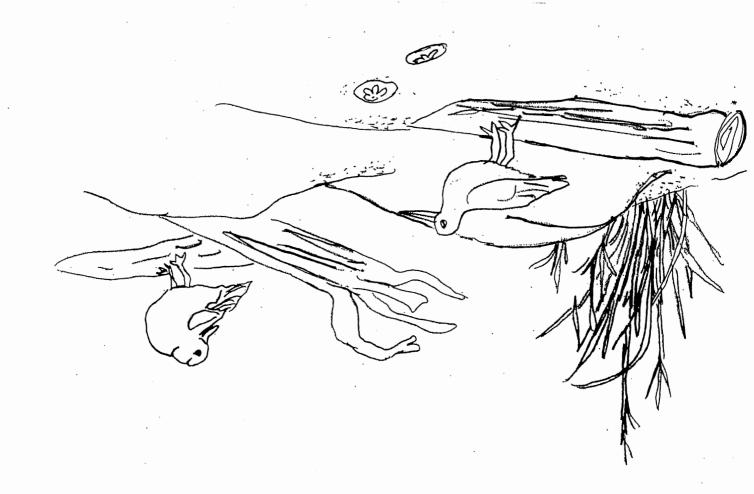
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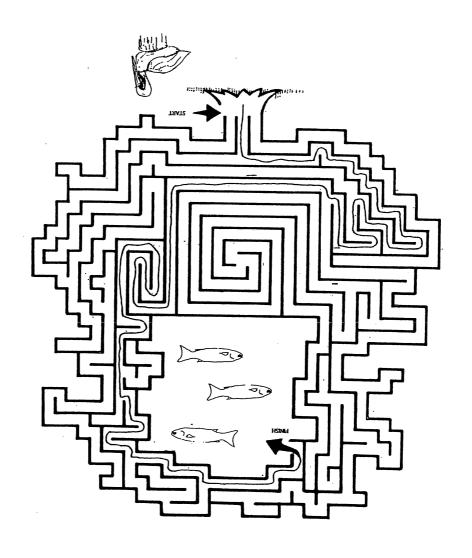
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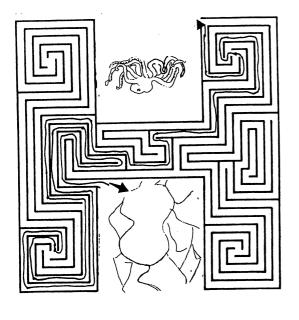


The beaches, marshes, coastal and open oceans are homes to many different plants and animals. Be polite and do not mess up their homes. Take your trash back to your home, just leave footprints in theirs.

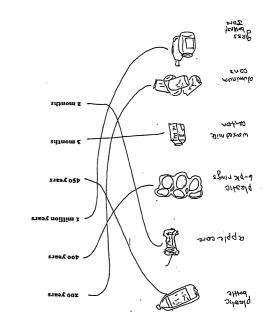


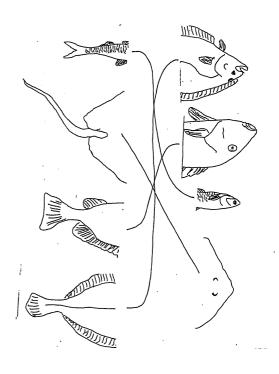
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Answers



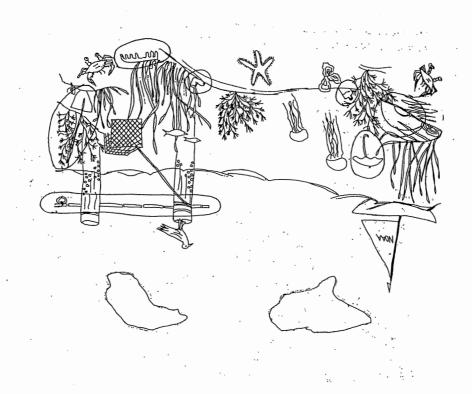
Which two are the same: 3 & 4





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Even mope Answers

Regional Activity Book Series:

1. Chesapeake Bay Activity Book - http://www.nccos.noaa.gov/education/cbbook

2. Coastal North Carolina Activity Book -

http://www.coastalscience.noaa.gov/education/ncbook.pdf

3. Salish Sea Activity Book - http://www.coastalscience.noaa.gov/education/ssbook.pdf

4. Mobile Bay Activity Book - http://www.coastalscience.noaa.gov/education/mbbook.pdf

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http://www.coastalscience.noaa.gov/education/mbbook.pdf

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